Attorney Docket No.: 18563-006000
Client Reference No.: AT-00109

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

TIMOTHY N. JONES et al.

Application No.: 09/264,547

Filed: March 8, 1999

For: SUBDIVIDING A DIGITAL DENTITION MODEL

Examiner: WILSON, J.

Art Unit: 3732

TC 3700 MAIL ROOM

FEB 28 2002

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated July 27, 2001, please amend the above-referenced application as follows. A complete set of pending claims is provided for your convenience in Appendix A attached hereto.

IN THE CLAIMS:

Please amend claims 1, 9, 20, 75, and 116. Please replace the set of claims currently on file with the following set of claims.

1. (Twice Amended) A computer-implemented method for use in creating a digital model of an individual component of a patient's dentition, the method comprising:

(a) scanning the patient's dentition, or a physical model thereof, to produce a data set that forms a three-dimensional (3D) representation of the patient's dentition having a plurality of components therein;

(b) applying a computer-implemented test to the data set to identify data elements that represent boundary portions of an individual component of the patient's dentition to facilitate separating the dentition into individual components; and